Pushing Performance
Since 1945

har-flex Hybrid F str 8+36 SMT PL1 280pc



Image is for illustration purposes only. Please refer to product description.

Part number	15 82 836 2601 000
Specification	har-flex Hybrid F str 8+36 SMT PL1 280pc
HARTING eCatalogue	https://b2b.harting.com/15828362601000

Identification

Category	Connectors
Series	har-flex®
Identification	Hybrid
Element	Female connector
Description of the contact	Straight

Version

Termination method	Reflow soldering termination (SMT)
Connection type	Motherboard to daughtercard Mezzanine
Number of contacts	44
Number of signal contacts	36
Number of power contacts	8
Pack contents	280 pieces on reel

Technical characteristics

Contact spacing (termination side)	1.27 mm 2.54 mm
Contact spacing (mating side)	1.27 mm 2.54 mm
Stacking height	9.05 mm
Rated current	20 A
Rated voltage	50 V AC 120 V DC

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Technical characteristics

Rated voltage	acc. to IEC 60664-1
Rated impulse voltage	1.5 kV
Pollution degree	2
Clearance distance	≥0.4 mm Signal contacts ≥1.74 mm Power contacts ≥1.11 mm Signal to power contacts
Creepage distance	≥0.4 mm PCB: Signal contacts ≥1.74 mm PCB: Power contacts ≥1.11 mm PCB: Signal to power contacts ≥0.4 mm Connector: Signal contacts ≥1.89 mm Connector: Power contacts ≥2.09 mm Connector: Signal to power contacts
Insulation resistance	$>10^{10}$ Ω
Contact resistance	≤25 mΩ
Limiting temperature	-55 ... +125 °C
Performance level	1
Mating cycles	≥500
Test voltage $U_{r.m.s.}$	0.5 kV Signal 1.39 kV Signal / Power 1.39 kV Power / Power
Isolation group	IIIa (175 ≤ CTI < 400)
Moisture Sensitivity Level (MSL)	1 acc. to ECA/IPC/JEDEC J-STD-020D
Process Sensitivity Level (PSL)	R0 acc. to ECA/IPC/JEDEC J-STD-020D
Coplanarity of contacts	0.12 mm

Material properties

Material (insert)	Liquid crystal polymer (LCP)
Colour (insert)	Black
Material (contacts)	Copper alloy
Surface (contacts)	Noble metal over Ni Mating side Sn over Ni Termination side
Material flammability class acc. to UL 94	V-0
RoHS	compliant
ELV status	compliant
China RoHS	e
REACH Annex XVII substances	Not contained
REACH ANNEX XIV substances	Not contained

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Material properties

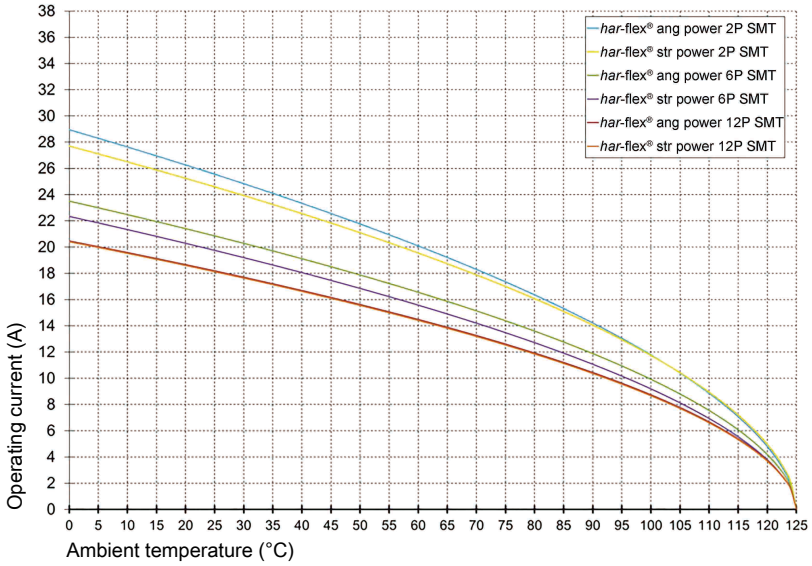
REACH SVHC substances	Not contained
California Proposition 65 substances	Not contained

Commercial data

Packaging size	1
Country of origin	China
European customs tariff number	85366990
eCl@ss	27460201 PCB connector (board connector)

Current carrying capacity

The current carrying capacity of the connectors is limited by the thermal load capability of the contact element material including the connections and the insulating parts. The derating curve is therefore valid for currents which flow constantly (non-intermittent) through each contact element of the connector evenly, without exceeding the allowed maximum temperature.
Measuring and testing techniques acc. to IEC 60512-5-2



Rated current Signal contacts 0.5 A

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